

9. If \$8800 are required in Toronto to pay £1800 in London, England, find the rate of exchange between the two cities.

10. A traveller for Paris wishing to provide himself with French money, calls at a broker and is informed that the sovereign in London is worth 25f. 25c., rate of exchange on London, $8\frac{1}{2}$ premium, and $\frac{1}{8}$ per cent. commission. Find the sum in French money he ought to receive for \$500 of our money.

PAPER XIII.

1. Divide

(1) 36617079414410 by 160388.

(2) 75732561476 by 9487918.

2. If a gallon contain 277·274 cubic inches, and a cubic foot of water weigh 1000 ounces, what quantity in gallons and what weight of water in pounds will fill a rectangular cistern 5 feet long, $3\frac{1}{2}$ feet wide, and 2 feet 9 inches deep?

3. Find the depth of the circular cistern which would hold the same quantity of water as that in question 2, supposing the diameter to be 6 feet.

4. A cubical box exactly holds 64 shot, each 3 inches in diameter. Find how many cubic inches are empty in the box when it is full of shot.

5. Find the length of the side of a square whose area is equal to that of a rectangle, the sides of which are 94·28 and 6720 yards.

6. Add together one million one thousand and ten, fifty thousand five hundred and five, ten millions, five hundred thousand and fifty, seventy millions seven hundred thousand and seventy, eight billions eight hundred thousand and eight. From the sum take 51643, and divide the remainder by 808.

PAPER XIV.

1. Divide

(1) 369487500983860 by 1978.

(2) 976875783291415 by 389.